



We at Centralab appreciate your interest in our many fine products. To insure that you promptly receive new product information as soon as it is available, complete and return this questionnaire. Please print or type, and answer all questions.

Thank you.

PRODUCT INTEREST:	INTEGRATED CIRCUITS		POTENTIOMETERS	
	CAPACITORS	SWITCHES	TECHNICAL CERAMICS	
GENERAL MARKET FOR WHICH GOODS ARE PRODUCED:			CONSUMER	
			INDUSTRIAL	MILITARY
FIRST CONTACT WITH CRL:	NEWS RELEASE		TRADE SHOW	
	ADVERTISEMENT	SALESMAN CALL	OTHER	

REFOLD WITH CENTRALAB ADDRESS ON OUTSIDE AND TAPE OR STAPLE — NO POSTAGE REQUIRED.

FOR CRL USE:	R.C.		D.C.			
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NAME			
COMPANY			
STREET ADDRESS			
CITY		STATE	ZIP
YOUR FUNCTION:	ENGINEERING	MANUFACTURING	RESEARCH & DEVELOPMENT
	MANAGEMENT	PURCHASING	OTHER

ATTN.: Advertising Department

MILWAUKEE, WISCONSIN 53201

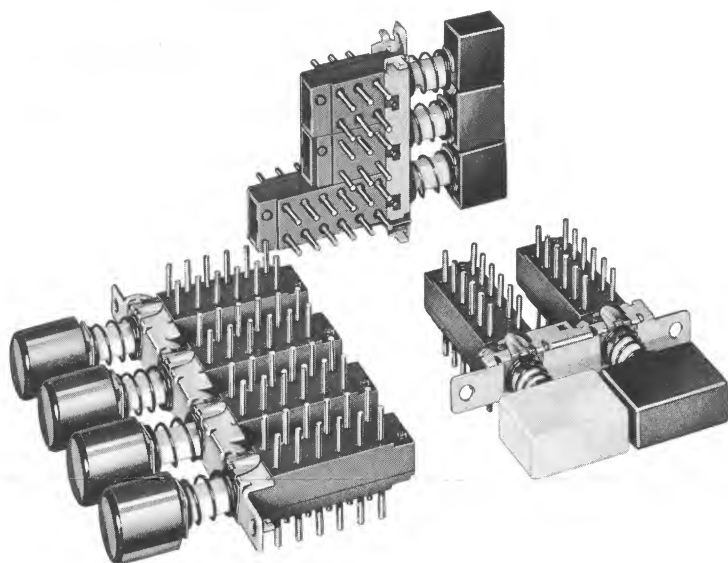
P. O. BOX 591

CENTRALAB, Division of Globe-Union Inc.

BUSINESS REPLY CARD
PERMIT NO. 1494, MILWAUKEE 1, WISCONSIN



Centralab Product Data



PUSH BUTTON SWITCHES

New from Centralab... A low-cost, modular design, push button switch that is small, easy to wire, simple to install and also provides printed circuit board mounting capability.

Prices are competitive with multiple position, low power rotary types for many applications and much lower than other push button switches. The modular design facilitates same day price quotations and rapid sampling and delivery of production quantities.

Versatility is exceptional. Switch action may be momentary, push-push, interlocking or a combination of these anywhere in the same row.

Refresh your designs with push button switches from Centralab. They complement our already extensive line of rotary, slide and lever switches. Contact J. G. Ullsperger, Manager, Consumer Markets, for prompt quotations and assistance.

specifications

MECHANICAL:

Slide Construction — high grade thermoplastic material

Block Construction — precision molded phenolic thermosetting plastic and automatically assembled

Fixed Contacts — silver plated copper alloy

Moving Contacts — roll silver plated copper alloy

Latch Bar and Brackets — cadmium plated steel

ELECTRICAL:

The following are typical values.

Contact Resistance — Initial, 4 milliohms
After 25,000 cycles, 10 milliohms

Insulation Resistance — Before test without heat and humidity, $R_i = 2 \times 10^4$ megohms
After test* without heat and humidity, $R_i = 3 \times 10^3$ megohms

Typical Current Rating for 25,000 cycles with resistive load
— .45 AMP @ 115 VAC
1.00 AMP @ 28 VDC

Life Cycles — 25,000

*Test: 4 days in a humidity chamber @ 40°C. with a relative humidity of 90-95%.

GENERAL:

Dimensions — all basic modules have identical design and dimensional characteristics. Overall length will vary with the number of switching functions. Standard functions are 2 pole, 4 pole, 6 pole or 8 pole, double throw and a coupling arrangement is available which permits up to

14 pole, double throw action when required.

Each Module Consists of — one basic shell with fixed contacts which are mounted symmetrically (three contacts per D.T. switch) and one slide bar upon which the moving contacts are mounted.

Possible Combinations — singly, as self-contained switches (momentary or push-push operation).

multi-block units, mounted on a metal bracket can be assembled with the following combinations placed anywhere on the bracket:

- momentary
- single push-push
- interlocked switching (closure of one switch releases the other switches)

in addition to these combinations, a contactless zero block is available which will release the other blocks when it is activated.

Ganging — up to 19 switches on one bracket

Centerline Spacing — between blocks,

Series PB 10...25/64"
Series PB 15...19/32"
Series PB 20...29/32"

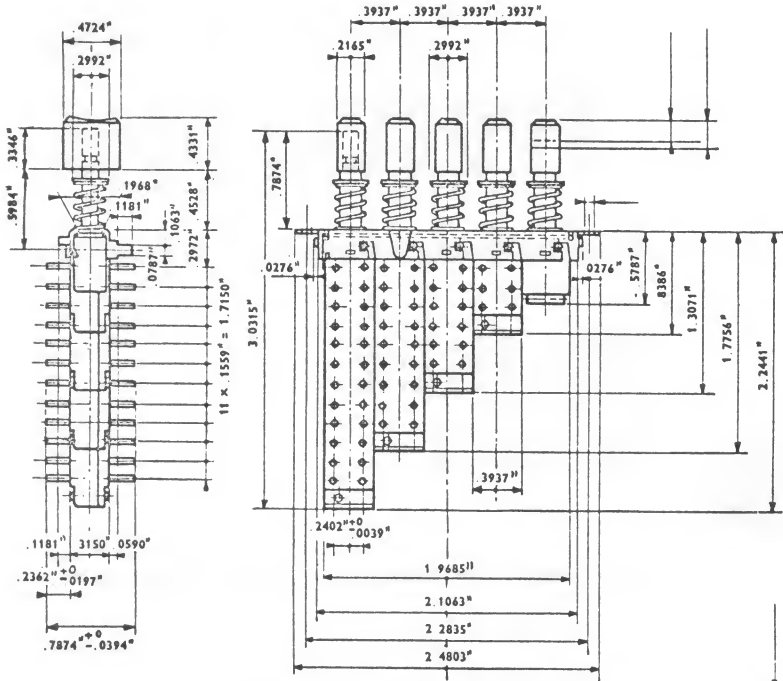
Rear Coupling — available for any switch

Line Switch — can be included as part of the assembly

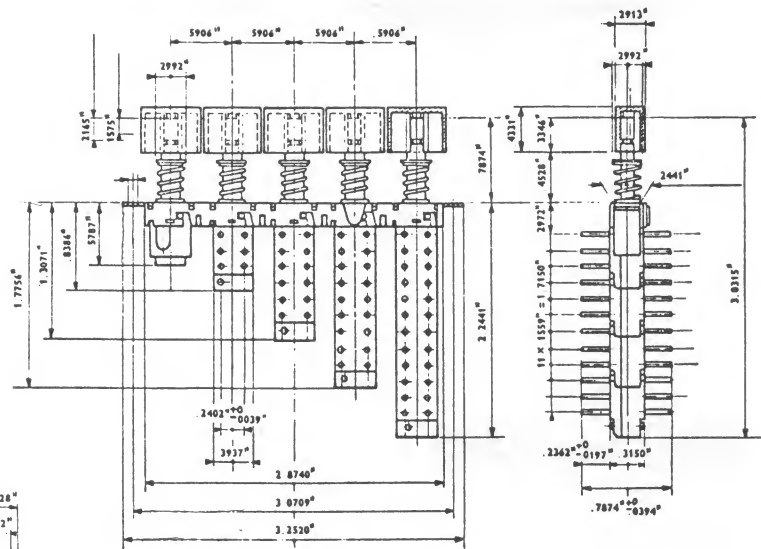
Wiring — conventional: manual soldering or automatic wire wrapping methods may be used

PC board: standard dipping or wave soldering techniques may be employed

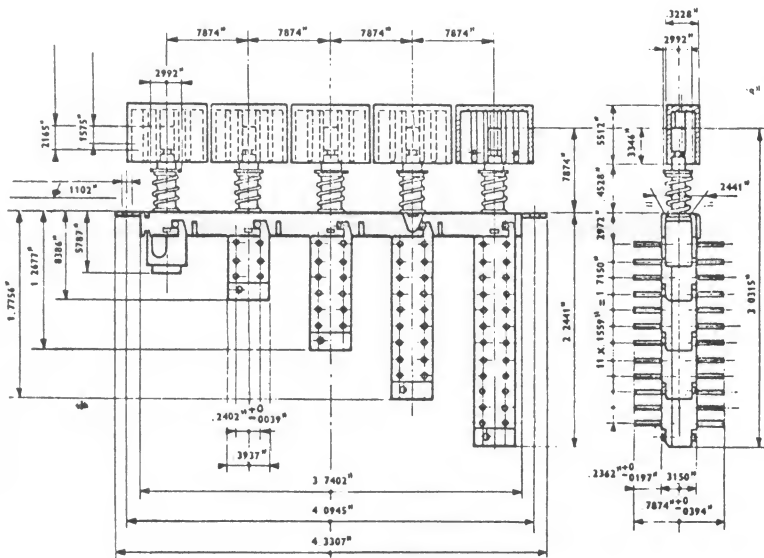
Centralab push button switches



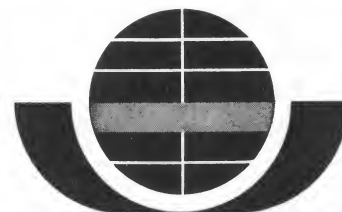
SERIES PB10



SERIES PB15



SERIES PB20



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ELECTRONICS DIVISION
GLOBE-UNION INC.